

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Sheet	1	of	8	Application Number	10/773,606
				Filing Date	February 6, 2004
				First Named Inventor	KI IL KIM
				Art Unit	2618
				Examiner Name	TRAN, Tuan A.
				Attorney Docket Number	PK107441


U.S. PATENT DOCUMENTS

Exami ner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/TT/	(A1)	US-4,258,387	03-24-1981	Lemelson	
	(A2)	US-4,592,608	06-03-1986	Ohtsuka	
	(A3)	US-4,644,107	02-17-1987	Clowes	
	(A4)	US-4,737,976	04-12-1988	Borth	
	(A5)	US-4,789,347	12-06-1988	Banjo	
	(A6)	US-4,870,686	09-26-1989	Gerson	
	(A7)	US-4,884,132	11-28-1989	Morris	
	(A8)	US-4,887,188	12-12-1989	Yoshida	
	(A9)	US-4,961,710	10-09-1990	Komatsu	
	(A10)	US-4,986,618	01-22-1991	Wakatsuki	
	(A11)	US-5,043,736	08-27-1991	Darnell	
	(A12)	US-5,081,667	01-14-1992	Drori	
	(A13)	US-5,109,525	04-28-1992	Nichols	
	(A14)	US-5,111,498	05-05-1992	Guichard	
	(A15)	US-5,206,730	04-27-1993	Sakai	
	(A16)	US-5,235,633	08-10-1993	Dennison	
	(A17)	US-5,293,236	03-08-1994	Adachi	
	(A18)	US-5,307,401	04-26-1994	Matsuda	
	(A19)	US-5,333,176	07-26-1994	Burke	
	(A20)	US-5,404,580	04-04-1995	Simpson	
	(A21)	US-5,414,432	05-09-1995	Penny, Jr.	
	(A22)	US-5,414,444	05-09-1995	Britz	
	(A23)	US-5,444,482	08-22-1995	Misawa	
	(A24)	US-5,444,768	08-22-1995	Lemaire	
	(A25)	US-5,492,480	02-20-1996	Fusselman	
	(A26)	US-5,495,288	02-27-1996	Broady <i>et al.</i>	
	(A27)	US-5,515,419	05-07-1996	Sheffer	
	(A28)	US-5,541,640	07-30-1996	Larson	
	(A29)	US-5,544,222	08-06-1996	Robinson	
	(A30)	US-5,550,646	08-27-1996	Hassan	
	(A31)	US-5,572,204	11-05-1996	Timm	
	(A32)	US-5,590,133	12-31-1996	Billstrom	
	(A33)	US-5,612,732	03-18-1997	Yuyama <i>et al.</i>	
	(A34)	US-5,652,570	07-29-1997	Lepkofker	
	(A35)	US-5,659,597	08-19-1997	Bareis	

///	(A36)	US-5,680,633	10-21-1997	Koenck	
	(A37)	US-5,682,525	10-28-1997	Bouve	
	(A38)	US-5,712,679	01-27-1998	Coles	
	(A39)	US-5,712,899	01-27-1998	Pace, II	
	(A40)	US-5,719,936	02-17-1998	Hillenmayer	
	(A41)	US-5,726,983	03-10-1998	Bakke	
	(A42)	US-5,730,610	03-24-1998	Hsia	
	(A43)	US-5,745,551	04-28-1998	Strauch	
	(A44)	US-5,748,441	05-05-1998	Loritz	
	(A45)	US-5,802,467	09-1-1998	Salazar <i>et al.</i>	
	(A46)	US-5,832,388	11-03-1998	Williams	
	(A47)	US-5,867,793	02-02-1999	Davis	
	(A48)	US-5,870,149	02-09-1999	Comroe	
	(A49)	US-5,874,999	02-23-1999	Suzuki <i>et al.</i>	
	(A50)	US-5,877,821	03-02-1999	Newlin	
	(A51)	US-5,877,975	03-02-1999	Jigour	
	(A52)	US-6,021,325	02-01-2000	Hall	
	(A53)	US-6,023,241	02-08-2000	Clapper	
	(A54)	US-6,038,295	03-14-2000	Mattes	
	(A55)	US-6,062,887	05-16-2000	Schuster	
	(A56)	US-6,083,353	07-04-2000	Alexander, Jr.	
	(A57)	US-6,138,036	10-24-2000	O'Cinneide	
	(A58)	US-6,151,491	11-21-2000	Farris	
	(A59)	US-6,154,788	11-28-2000	Robinson	
	(A60)	US-6,157,935	12-05-2000	Tran	
	(A61)	US-6,167,251	12-26-2000	Segal	
	(A62)	US-6,222,909	04-24-2001	Qua	
	(A63)	US-6,233,430	05-15-2001	Helferich	
	(A64)	US-6,236,832	05-22-2001	Ito	
	(A65)	US-6,246,672	06-12-2001	Lumelsky	
	(A66)	US-6,288,641	09-11-2001	Casais	
	(A67)	US-6,341,133	01-22-2002	Kawamoto	
	(A68)	US-6,381,369	04-30-2002	Kondo	
	(A69)	US-6,393,014	05-21-2002	Daly	
	(A70)	US-6,405,037	06-11-2002	Rossmann	
	(A71)	US-6,427,068	07-30-2002	Suominen	
	(A72)	US-6,434,403	08-13-2002	Ausems	
	(A73)	US-6,454,654	09-24-2002	Friedmann	
	(A74)	US-6,545,070	04-08-2003	Inagaki	
	(A75)	US-6,545,654	04-08-2003	Jacobsen	
	(A76)	US-6,564,070	05-13-2003	Nagamine	
	(A77)	US-6,697,103	02-24-2004	Fernandez	
	(A78)	US-6,754,468	06-22-2004	Sieben	
	(A79)	US-6,792,451	09-14-2004	Tomiyama	
↓	(A80)	US-6,812,954	11-02-2004	Priestman	

/TT/	(A81)	US-6,985,169	01-10-2006	Deng	
↓	(A82)	US-6,996,609	02-07-2006	Hickman	
	(A83)	US-7,019,779	03-28-2006	Suzuki	
	(A84)	US-7,142,846	11-28-2006	Henderson	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
///	(B1)	BE 1,013,205	10-02-2001	Bouhy		
	(B2)	CA 2,138,819	08-09-1995	Katz		
	(B3)	EP 0,930,770	07-21-1999	Aoki		
	(B4)	EP 1,049,312	11-02-2000	Um		
	(B5)	GB 2,295,522	05-29-1996	Marshall		
	(B6)	JP 59-108380	06-22-1984			
	(B7)	JP 6-123767	05-06-1994			
	(B8)	JP 9-187060	07-15-1997			
	(B9)	JP 10-107923	04-24-1998			
	(B10)	JP 11-41669	02-12-1999			
	(B11)	JP 11-64007	03-05-1999			
	(B12)	JP 11-98590	04-09-1999			
	(B13)	JP 11-187153	07-09-1999			
	(B14)	JP 2000-40195	02-08-2000	Hisashi		
	(B15)	JP 2000-66969	03-03-2000			
	(B16)	KR 10-1999-0005251	05-25-1999	Seo		
	(B17)	KR 10-1999-0064578	08-05-1999	Kim		
	(B18)	KR 20-0168351	11-09-1999	Kwan		
	(B19)	KR 10-1999-0005249	10-10-2001	Seo		
	(B20)	KR 10-1999-0005248	02-15-2002	Seo		
	(B21)	KR 10-1999-0048409	08-07-2002	Kim		
	(B22)	KR 10-1999-0005247	09-15-2000	Seo		
	(B23)	NL 101,122	11-15-1961	Jongh		
	(B24)	WO 90/08371	07-26-1990	Coles		
	(B25)	WO 98/11745	03-19-1998	Lebduska		
(B26)	WO 01/13311	02-22-2001	Johnson			


NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/TT/	(C1)	Defendants MOTOROLA, INC. et al. Joint Invalidity Contentions of MINERVA INDUSTRIES, INC. v. MOTOROLA, INC. et al., Civil action Nos. 2:07-CV-229-TJW and 2:08-CV-021-TJW, and Defendant RESEARCH IN MOTION CORPORATION AND CRICKET COMMUNICATIONS, INC. Joint Invalidity Contentions of MINERVA INDUSTRIES, INC. v. RESEARCH IN MOTION CORPORATION AND CRICKET COMMUNICATIONS, INC, Civil Action Nos. 2:07-CV-230-TJW and 2:08-CV-020-TJW (pp.1-10)	
/TT/	(C2)	Invalidity Chart for "U.S. Patent No. 5,790,957 to Heidari" (pp. 1-9)	

///	(C3)	Invalidity Chart for “U.S. Patent No. 6,083,353 to Alexander” (pp. 1-44)	
	(C4)	Invalidity Chart for “U.S. Patent No. 6,392,697 to Tanaka et al.” (pp. 134)	
	(C5)	Invalidity Chart for “U.S. Patent No. 6,697,103 to Fernandez et al.” (pp. 1-80)	
	(C6)	Invalidity Chart for “U.S. Patent No. 6,222,909 to Qua” (pp.1-37)	
	(C7)	Invalidity Chart for “U.S. Patent No. 7,123,936 to Rydbeck” (pp. 1-76)	
	(C8)	Invalidity Chart for “U.S. Patent No. 5,719,936 to Hillenmayer” (pp. 1-75)	
	(C9)	Invalidity Chart for “U.S. Patent No. 6,177,950 to Robb” (pp. 1-104)	
	(C10)	Invalidity Chart for “U.S. Patent No. 6,038,295 to Mattes” (pp. 1-14)	
	(C11)	Invalidity Chart for “U.S. Patent No. 5,003,576 to Helferich” (pp. 1-106)	
	(C12)	Invalidity Chart for “U.S. Patent No. 6,427,078 to Wilska <i>et al.</i> ” (pp. 1-58)	
	(C13)	Invalidity Chart for “U.S. Patent No. 5,630,205 to Ekelund” (pp. 1-40)	
	(C14)	Invalidity Chart for “Shankar Narayanaswamy, “Pen and Speech Recognition in the User Interface for Mobile Multimedia Terminals,” University of California at Berkeley Thesis Paper, 1996” (pp. 1-29)	
	(C15)	Invalidity Chart for “Nokia 9110 User Guide (Published at least as early as 1999)” (pp. 1-20)	
	(C16)	Invalidity Chart for “Samsung Model SCH-3500 User Manual (Published at Least as Early as 1999)” (pp. 1-5)	
	(C17)	Invalidity Chart for “U.S. Patent No. 6,564,070 to Nagamine” (pp. 1-35)	
	(C18)	Invalidity Chart for ““EO Personal Communicator,” <u>Personal Computer World</u> , Feb. 1993” (pp. 1-28)	
	(C19)	Invalidity Chart for “KR Patent App. No. 10-1999-0064578 to Kim” (pp. 1-82)	
	(C20)	Invalidity Chart for “Panasonic EB-G400 User manual (Available at least as early as January 5, 1996)” (pp. 1-48)	
	(C21)	Invalidity Chart for “Sharp Color Zaurus (Model MI-10 and MI-10DC) User Manual (Published Aug. 15, 1996) and English Translation” (pp. 1-69)	
	(C22)	Invalidity Chart for “U.S. Patent No. 5,333,176 to Burke <i>et al.</i> ” (pp. 1-43)	
	(C23)	Invalidity Chart for “U.S. Patent No. 5,515,419 to Sheffer” (pp. 1-31)	
	(C24)	Invalidity Chart for “U.S. Patent No. 5,666,159 to Parulski <i>et al.</i> ” (pp. 1-24)	
	(C25)	Invalidity Chart for “U.S. Patent No. 5,737,491 to Allen et al.” (pp. 1-47)	
	(C26)	Invalidity Chart for “U.S. Patent No. 6,023,241 to Clapper” (pp 1-87)	
	(C27)	Invalidity Chart for “U.S. Patent No. 6,122,526 to Parulski <i>et al.</i> ” (pp. 1-45)	
	(C28)	Invalidity Chart for “U.S. Patent No. 6,148,261 to Obradovich <i>et al.</i> ” (pp. 1-48)	
	(C29)	Invalidity Chart for “U.S. Patent No. 6,233,430 to Helferich” (pp. 1-47)	
	(C30)	Invalidity Chart for “U.S. Patent No. 6,341,133 to Kawamoto <i>et al.</i> ” (pp. 1-31)	
↓	(C31)	Invalidity Chart for “U.S. Patent No. 6,480,724 to Erkkilä” (pp. 1-45)	

///	(C32)	Invalidity Chart for “U.S. Patent No. 6,694,200 to Naim” (pp. 1-39)	
	(C33)	Invalidity Chart for “U.S. Patent No. 6,919,923 to Tanaka <i>et al.</i> ” (pp. 1-38)	
	(C34)	Invalidity Chart for “GB 2 295 522 to Marshall” (pp. 1-28)	
	(C35)	Invalidity Chart for “U.S. Patent No. 6,009,336 to Harris” (pp. 1-131)	
	(C36)	Invalidity Chart for “U.S. Patent No. 6,697,103 to Fernandez <i>et al.</i> ” (pp. 1-387)	
	(C37)	Invalidity Chart for “U.S. Patent No. 7,123,936 to Rydbeck <i>et al.</i> ” (pp. 1-374)	
	(C38)	Invalidity Chart for “U.S. Patent No. 6,083,353 to Alexander, Jr.” (pp. 1-236)	
	(C39)	Invalidity Chart for “U.S. Patent No. 5,719,936 to Hillenmayer” (pp. 1-289)	
	(C40)	Invalidity Chart for “Locatio Beginner’s Guide (Published at Least as Early as 1999)” (pp. 1-105)	
	(C41)	Invalidity Chart for “U.S. Patent No. 6,038,295 to Mattes (pp. 1-52)”	
	(C42)	Invalidity Chart for “U.S. Patent No. 6,167,251 to Segal <i>et al.</i> ” (pp. 1-430)	
	(C43)	Invalidity Chart for “Nokia 9110 User Guide (Published at Least as Early as 1990)”	
	(C44)	Invalidity Chart for “pdQ Basics Handbook (Published at Least as Early as 1999)” (pp. 1-11)	
	(C45)	Invalidity Chart for “Samsung Model SCH-3500 User Manual (Published at Least as Early as 1999)” (pp. 1-8)	
	(C46)	Invalidity Chart for “Shankar Narayanaswamy, “Pen and Speech Recognition in the User Interface for Mobile Multimedia Terminals,” University of California at Berkeley Thesis Paper, 1996” (pp. 1-132)	
	(C47)	Invalidity Chart for ““EO Personal Communicator,” <u>Personal Computer World</u> , Feb. 1993” (pp. 1-169)	
	(C48)	Invalidity Chart for “EP 1 049 312 A2 published November 2, 2000” (pp. 1-234)	
	(C49)	Invalidity Chart for “KR Patent App. No. 10-1999-0064578 A to Kim” (pp. 1-363)	
	(C50)	Invalidity Chart for “Panasonic EB-G400 User Manual (Available at least as early as January 5, 1996)” (pp. 1-368)	
	(C51)	Invalidity Chart for “U.S. Patent No. 6,564,070 to Nagamine” (pp. 1-233)	
	(C52)	Invalidity Chart for “U.S. Patent No. 6,694,200 to Naim” (pp. 1-267)	
	(C53)	Invalidity Chart for “U.S. Patent No. 5,333,176 to Burke <i>et al.</i> ” (pp. 1-198)	
	(C54)	Invalidity Chart for “U.S. Patent No. 5,515,419 to Sheffer” (pp. 1-162)	
	(C55)	Invalidity Chart for “U.S. Patent No. 5,666,159 to Parulski” (pp. 1-198)	
	(C56)	Invalidity Chart for “U.S. Patent No. 6,023,241 to Clapper” (pp. 1-318)	
	(C57)	Invalidity Chart for “U.S. Patent No. 6,122,526 to Parulski <i>et al.</i> ” (pp. 1-193)	
	(C58)	Invalidity Chart for “U.S. Patent No. 6,148,261 to Obradovich <i>et al.</i> ” (pp. 1-266)	
↓	(C59)	Invalidity Chart for “U.S. Patent No. 6,233,430 to Helferich” (pp. 1-287)	

/TT/	(C60)	Invalidity Chart for "U.S. Patent No. 6,341,133 to Kawamoto" (pp. 1-201)	
	(C61)	Invalidity Chart for "U.S. Patent No. 6,480,724 to Erkkilä" (pp. 1-283)	
	(C62)	Invalidity Chart for "Sharp Color Zaurus (Model MI-10 and MI-10DC) User Manual (Published Aug. 15, 1996) and English Translation" (pp. 1-356)	
	(C63)	Invalidity Chart for "U.S. Patent No. 6,919,923 to Tanaka <i>et al.</i> " (pp. 1-330)	
	(C64)	Invalidity Chart for "WIPO Publication WO 01/13311 A2 Johnson <i>et al.</i> " (pp. 1-304)	
	(C65)	Exhibit B of Defendants MOTOROLA, INC. <i>et al.</i> Joint Invalidity Contentions of MINERVA INDUSTRIES, INC. v. MOTOROLA, INC. <i>et al.</i> , Civil action Nos. 2:07-CV-229-TJW and 2:08-CV-021-TJW, and Defendant RESEARCH IN MOTION CORPORATION AND CRICKET COMMUNICATIONS, INC. Joint Invalidity Contentions of MINERVA INDUSTRIES, INC. v. RESEARCH IN MOTION CORPORATION AND CRICKET COMMUNICATIONS, INC, Civil Action Nos. 2:07-CV-230-TJW and 2:08-CV-020-TJW (pp. 1-46)	
	(C66)	"Wir auf der CeBIT," <u>Mobilfunk</u> (publication date 1988), Heft 1, pp. 11-16	
	(C67)	Frank Goodenough, "Single IC Stores and Plays Back 4 Minutes of Voice," <u>Electronic Design</u> , Vol. 44, No. 15, pp. 67-76 (Publication date: July 22, 1996)	
	(C68)	Nextel i1000plus User's Guide (publication date: March 22, 1999)	
	(C69)	Kyocera SS-66K Owner's manual (publication date: August 1998)	
	(C70)	Panasonic EB-G400Z Operating Instructions (publication date: at least as early as 1996)	
	(C71)	Translation of Kyocera VP-210 User Manual (publication date: as early as May 1999)	
	(C72)	Gail Edmondson & Catherine Arnst, "'Operator, Get Me Cyberspace': Phones that cruise the Net? They're coming," <u>Business Week</u> , pp. 103-110 (publication date: June 24, 1996)	
	(C73)	Ian Goetz, "Achieving The Customer's Desire; Challenges Facing Designers Of Future Mobile System Audio Visual Services," <i>IEE "Future of Mobile Multimedia Communications" Colloquium</i> (Digest No. 1996/248) (publication date: December 6, 1996)	
	(C74)	Motorola iDEN Digital Portable-Getting Started Section (publication date: June 17, 1998)	
	(C75)	Robert G. Beason, "Your Telephone of Tomorrow: Future may bring push-button dialing, videophones, direct calls anywhere on earth and pocket-size sets," <u>Mechanix Illustrated</u> (publication date: September 1956)	
	(C76)	Symbol Technologies, Inc. NetVision Phone, Product Reference Guide (publication date: December 1998)	
	(C77)	Motorola StarTAC (publication date: 1996)	
↓	(C78)	Arthur D. Little, Cambridge Consultants, "Case Study: The Personal Communicator" (publication date: pre-2000)	

	/TT/	(C79)	John M. Brooks, "AT&T Trims Price of its Videophone," <u>Focus</u> , (publication date: February 1993)	
		(C80)	Bell Laboratories, Inc. <i>Record</i> , Vol. 47, No. 5, May/June 1969	
		(C81)	Miller Freeman, "Everything you need in the palm of your hand," <u>Design Engineering</u> , pp. 14-17 (publication date: September 1998), see e.g., 14, 17	
		(C82)	Miller Freeman, "Convergence: the last word," <u>The Engineer</u> , v. 279, no. 7222 (publication date: October 27, 1994)	
		(C83)	Peter Fletcher, "UK firm Unveils Future PDA Prototype," <u>Electronics</u> , vol. 67, no. 20, p. 6 (publication date: October 24, 1994)	
		(C84)	Bell Laboratories, Inc., "Seeing by Telephone" (publication date: June 1964)	
		(C85)	NeoPoint 1000 User's Guide Translation (publication date: at least as early as 1999)	
		(C86)	Peter Elstrom, "PDA May Always Mean 'Pretty Darn Average,'" <u>Business Week</u> , p. 110 (publication date: June 24, 1996)	
		(C87)	"GPS Heads for New Markets," <u>Elec. Engineering Times</u> , publication date: April 15, 1996, pg. 18	
		(C88)	Digital Ocean's <i>Tarpon</i> , Spec Sheet	
		(C89)	FCC Ruling for 96-264, <i>First Report and Order</i> , release date July 26, 1996	
		(C90)	Motorola UTSI-D 006028, Envoy Wireless Communicator - Getting Started Guide (publication date: at least as early as 1994)	
		(C91)	"Siemens and SanDisk Introduce the World's Smallest Portable Memory; Supported by Ericsson, Nokia, Motorola and Qualcomm," <u>Business Wire</u> (publication date: November 5, 1997), see, e.g., p. 3	
		(C92)	Nicky Rushby, "Where are the desks for the virtual class?," <u>Sigcoe Outlook</u> , Vol. 26, Issue 2 (publication date: April 1998), pp. 33-36	
		(C93)	Quick Reference-(publication date: February 24, 1999)	
		(C94)	Takehiro Murase and Minoru Ohyama, "Evolution of Personal Multimedia Communications Services in Japan," <i>IEEE Personal Communications</i> , vol 5, no. 6, (publication date: December 1998), pp. 66-74	
		(C95)	Thomas B. Shalk, "Voice Recognition in Cellular Mobile Telephones," <u>Speech Tech.</u> , (publication date: September-October 1986)	
		(C96)	Exhibit C, Invalidity Chart for U.S. Patent No. 6,681,120, of Defendants MOTOROLA, INC. <i>et al.</i> Joint Invalidity Contentions of MINERVA INDUSTRIES, INC. v. MOTOROLA, INC. <i>et al.</i> , Civil action No. 2:07-CV-229-TJW, and Defendant RESEARCH IN MOTION CORPORATION AND CRICKET COMMUNICATIONS, INC. Joint Invalidity Contentions of MINERVA INDUSTRIES, INC. v. RESEARCH IN MOTION CORPORATION AND CRICKET COMMUNICATIONS, INC, Civil Action No. 2:07-CV-230-TJW (pp. 1-29)	

